

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	42	circuit adj board with via with (airflow or "air flow")	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/06 12:20
L2	3	circuit adj board with vias with (airflow or "air flow")	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/06 12:21
L3	70	circuit adj board with (holes or openings) with (airflow or "air flow")	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/06 12:27
L4	21392	circuit adj board with (holes or openings)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/06 12:28
L5	2511	(361/703,690,692,695).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/06 12:28
L6	189	L5 and 4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/06 15:43
L7	270	power adj plane with vias	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/06 15:44
L8	6	power adj plane with (via or opening or hole) with ("air flow" or airflow or cool\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/06 15:45
S2	2481	(361/703,690,692,695).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/06 12:13
S3	1095	(housing or support) and (side or back or top or bottom) and air and (conduct\$3 or contact) and S2	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 12:42
S5	609	@py<"2002" and S3	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 12:42
S6	203	(housing or support) same (side or back or top or bottom) same air same (conduct\$3 or contact) and S2	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 12:43
S7	132	(housing or support) same (side or back or top or bottom) same air same (conduct\$3 or contact) and S2 and @Py<"2002"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 13:48
S10	120	connector same contact same (heat or cool\$4) and S2	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 14:19
S11	0	439/976.class. and connector same contact same (heat or cool\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 14:20

S12	0	439/876.clss. and connector same contact same (heat or cool\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 14:20
S13	0	439/876.clss.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 14:20
S14	416	(439/876).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/02 14:24
S15	15	S14 and "heat sink"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 14:51
S19	33	("heat sink" or radiator) with "connector housing"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 15:14
S20	286	("heat sink" or radiator) with connector near4 (contact or pin or socket or blade)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 15:21
S21	47	"heat sink fin" same connector	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 15:21
S22	48	connector.ab. and (cooling.ab. or "heat sink""ab") and "air flow".ab.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 10:43
S23	117466	"361".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 10:47
S24	5863	S23 and (connector or housing or support) same (contact or conductor) same ("air flow" or thermal or heat)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 10:51
S25	1985	S23 and (connector or housing or support) with (contact or conductor) with ("air flow" or thermal or heat)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 11:31
S26	9532	(support or housing device) with (output or "air flow") with connector	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 11:38
S27	209013	"361".clas. or "439".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 11:34
S28	1593	S26 and S27	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 11:36
S29	1064	S26 and S27 and @py<"2003"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 11:37
S30	732	(support or housing device) with (output or "air flow") with power near4 connector	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 11:51

S31	101	S27 and S30 and @py<"2003"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 11:39
S32	9	(support or housing device) with "air flow" with power near4 connector	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 13:01
S33	3249	(fan or (heat adj remov\$3) or "air flow") same ("circuit board" or substrate) same (vent or shroud or housing or support)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 13:10
S34	12	(fan or (heat adj remov\$3) or "air flow") same ("circuit board" or substrate) same (vent or shroud or housing or support) same "power connector"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 13:42
S35	457	(439/485-487).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 13:43
S36	214	S35 and (opening or "air flow")	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 13:46
S37	30	S35 and "air flow"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 13:56
S38	7	S35 and "power connector"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 14:25
S39	1	10/734715	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 14:55
S40	1	10/734715 and "air flow device"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 14:56
S41	1	10/734715 and "air flow control device"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 15:01
S42	9905	"air flow" near3 (shroud or vent or housing)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 15:04
S43	8035	"361".clas. and "439".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 15:04
S44	23	S42 and S43	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 15:15
S45	42	"air flow" near4 shroud and "361". clas.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 15:33

S46	25	"air flow" near4 shroud and "361". clas. and "circuit board"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 16:07
S47	23	"air flow" near4 shroud and "361". clas. and "circuit board" and (hole or via)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 16:09
S48	15	"air flow" near4 shroud and "361". clas. and "circuit board" and via	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 18:19
S49	23	connector with shroud same "air flow"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/07 18:37
S51	2462	((439/485-487) or (454/184) or (361/719,721)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/08 14:52
S52	88	"circuit board" with (via or aperture or opening) with "air flow"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 12:26
S54	44	"circuit board" with (shroud or guide or baffle) with "air flow"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 12:58
S55	37	"circuit board" with vias with "air flow"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 13:27
S56	360	via with "air flow" with (shroud or baffle or guide)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 13:29
S57	4	S51 and S56	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 13:28
S58	2285	via same "air flow" same (shroud or baffle or guide)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 13:30
S59	17	S51 and S58	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 13:33
S60	1119	fan and "air flow" and ("circuit board" or substrate)and (via or opening or aperature) and (shroud or baffle)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 13:39
S61	53	S51 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 13:34
S62	239	fan and "air flow" and (("circuit board" or substrate)with (via or opening or aperature)) and (shroud or baffle)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 13:39

S63	18	S51 and S62	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 13:56
S66	223	"upper shroud" with "lower shroud"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 14:13
S67	0	S51 and S66	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 13:59
S68	1	10/734715	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 14:13
S69	1	S68 and "air flow control device"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 14:42
S70	50392	connector same (shroud or baffle or guide)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 14:52
S71	138	S51 and S70	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 14:43
S72	74196	connector same (shroud or baffle or guide or conduit)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 14:52
S73	4734	((439/485-487) or (454/184) or (361/719,720,721,687,694,695)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/08 14:53
S74	0	("23and24").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/08 14:53
S75	357	S72 and S73	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 15:07
S76	0	439/196,206.clss.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 15:08
S77	402	(439/196,206).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/08 15:09
S78	30	"air flow" and S77	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 15:09
S79	121	(circuit board or substate) and power adj2 connector with (vent or opening or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 15:41
S80	10361	((361/687-721) or (439/196,206, 485-487)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/08 15:39

S81	27	S79 and S80	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 15:40
S82	18	(circuit board or substate) with power adj2 connector with (vent or opening or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 15:41
S83	7	(circuit board or substate) with "power connector" with (vent or opening or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 15:44
S84	2	("circuit board" or substrate) with "power connector" with (vent or opening or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 15:45
S85	308	("circuit board" or substrate) with connector with (vent or opening or cooling)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 15:45
S86	119	S80 and S85	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 16:05
S87	51	S80 and S85 and "air flow"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 16:09
S88	232	attach adj4 "circuit board" and ("air flow" or vent or fan)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 16:12
S89	56	S80 and S88	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 16:10
S90	1	attach adj4 "circuit board" with ("air flow" or vent or fan)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 16:18
S91	3	(attach or fasten) adj4 "circuit board" with ("air flow" or vent or fan)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 16:29
S93	1407	(361/695).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/08 16:30
S94	440	S93 and (duct shroud conduit "flexible hose" "flexible pipe")	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 16:32
S95	208	S94 and (socket connector)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 16:39
S96	1	S95 and power adj2 plane	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 16:40
S97	4	S95 and (ground or power) adj2 plane	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/08 16:40

S98	16113	hinge with (vent or shroud or baffle or guide)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 09:57
S99	4734	((439/485-487) or (454/184) or (361/719,720,721,687,694,695)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/09 09:57
S10 1	31	S98 and S99 and "air flow"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 10:13
S10 2	1451	vent and attach and "circuit board"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 10:14
S10 3	1	vent with attach with "circuit board"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 10:15
S10 4	15	vent same attach same "circuit board"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 10:16
S10 5	14	duct same attach same "circuit board"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 10:18
S10 6	9	baffle same attach same "circuit board"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 10:22
S10 7	19540	(heat or thermal or "air flow") same hinge	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 10:23
S10 8	247	S99 and S107	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 10:55
S10 9	181	(power or ground) adj2 plane with ("circuit board" near5 holes)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 10:57
S11 0	5	S99 and S109	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 11:05
S11 3	2464	(361/687,694,695).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/09 11:07
S11 4	2068	fan and S113	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 11:09
S11 5	19	reversible and fan and S113	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 11:45
S11 6	35537	fan same exhaust	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 11:45

S11 7	518	S113 and S116	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 11:46
S11 8	301	S117 and (vent or baffle or passage)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 13:01
S11 9	7163	connector and (vent near3 air)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 13:02
S12 0	163	S99 and S119	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 13:31
S12 1	13248	connector and "circuit board" and (vent or duct or baffle or guide) and (vias or orifice)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 13:33
S12 2	372	S99 and S121	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 13:32
S12 3	178	connector SAME ("circuit board" with (via or orifice))SAME (vent or duct or baffle or guide)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 13:34
S12 4	14	S123 and S99	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 13:38
S12 5	636	"power plane" WITH vias	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 13:43
S12 6	18	S99 and S125	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 13:38
S12 7	14	"power plane" WITH air and (hole or orifice)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 13:44
S12 9	37	"air flow" with via with "circuit board"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 14:14
S13 3	32902	("circuit board" or substrate) same air same (through or thru)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 09:53
S13 4	4755	((439/485-487) or (454/184) or (361/719,720,721,687,694,695)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/20 08:23

S13 5	113	S133 and S134	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 08:23
S13 6	7128	("circuit board") same air same (through or thru)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 09:54
S13 7	595	S136 and S134	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 09:54
S13 8	7002	"circuit board" and (air near3 flow) same (through or thru)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 10:20
S13 9	772	S134 and S138	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 10:27
S14 7	1	"10/767415"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 13:41
S14 9	30	("20040052055" "5495392" "550465 2" "5671118" "6212074" "6223815" "6404634" "6480387" "6574101" " 6643133" "6646880" "6704976" "67 08754").PN. ("20020084062" "20030005584" "20 030183373" "3892273" "4394344" " 5339214" "5959837" "6288895" "63 28097" "6352103" "6394175" "6407 916" "6418018" "6519149" "662169 8" "6650540" "6654243").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 14:16
S15 2	8	S149 and motherboard	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 14:40
S15 3	783	exhaust same less same heat same dissipat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 14:41

S15 4	10	exhaust same less same heat same dissipat\$4 same capacitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 14:45
S15 5	8	("air flow" or "air-flow" or airflow)same less same heat same dissipat\$4 same capacitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 14:49
S15 6	58	("air flow" or "air-flow" or airflow)same less same (heat or thermal) same capacitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/20 14:50
S15 7	2020	heat\$3 adj3 capacitor	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 07:53
S15 8	500	heat\$3 adj capacitor	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 08:02
S15 9	263	S158 and (cool\$3 or (heat adj dissipat\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 07:57
S16 0	89	S159 and "361".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 07:57
S16 1	29	heat\$3 adj motherboard	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 08:04
S16 2	4059	downstream adj2 cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 08:05
S16 4	66	S162 and 361/687-695.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 08:47
S16 5	10	downstream same preheat\$3 and 361/687-695.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 09:24
S16 7	1411	(361/695).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/21 09:25
S16 8	195	(439/196).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 12:47

S16 9	462	(439/485-487).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 12:47
S17 2	455	shroud with hinge	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 15:34
S17 3	2507	(361/703,690,692,695).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 15:34
S17 4	7	S173 and S172	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 15:34